Contents

For your safety ***2***

Welcome to digital satellite TV! ***3***

Updates to your box 3

Inserting the batteries in your remote control ... 3

Your remote control ***4***

Your Viasat Box ***5***

Front panel 5

Rear panel connectors overview 6

Installation ***7***

The supplied equipment 7

Where to place your box 7

What else do I need? 7

Smart card 7

Satellite dish 8

Optional audio connections 12

Connecting to the telephone line 12

Connecting a 'magic eye' 13

Connecting to the mains supply 13

Switching on for the first time 14

RF Tuning 15

Making the installation settings 15

Switching on and off 16

Getting Started ***17***

Using the Viasat Guide 17

Changing channel 17

Unlocking a locked channel 17

Changing the volume on your TV 18

Using the channel banner 18

Displaying the channel banner 18

Watching a programme 19

Instantly recording a programme 19

Setting a reminder 19

Displaying extra programme information .. 19

Symbols in the channel banner and extra information screens 20

Using Live Pause 21

Using Instant Rewind 22

On-screen symbols 23

Viasat EPG ***25***

Finding a programme 25

Choosing a programme to watch or set a reminder for 27

Choosing a programme to record 28

Viasat Ticket ***28***

Purchasing a Ticket programme 29

Planner ***30***

Your box's disk space 32

Schedule changes 32

Using Series Link 32

Deleting a programme from your Planner 32

Watching a programme when you see the reminder 33

Reminder clashes 34

Recording Programmes ***34***

Recording programmes 34

Using your box while you are recording a programme 35

Recording clashes 35

Disk space warning 36

Manual recording 37

Watching Recordings ***38***

Watching recordings 38

Playback symbol 38

During playback 39

Watching recordings of restricted programmes or locked channels 40

Using Bookmarks 40

Active ***40***

Interactive TV 40

Playing games 40

Setup ***41***

Using the Setup menus 41

Using the Parental Control menu 41

Locking Channels 42

Setting viewing restrictions 43

Setting purchase restrictions 44

Changing your PIN code 44

Changing your Planner settings 45

Changing your PVR recording settings 46

Using the System Settings 47

Changing the Picture settings 48

Changing the Sound settings 49

Changing the Language & Subtitles settings . 50

Viewing the box information 51

Viewing the Signal Test screen 51

Installation Setup 52

Changing the LNB Setup 52

Setting the Default Transponder 53

Changing the Modem Settings 54

Setting the RF output channel 54

Setting up your remote control for your TV 55

Extra Information ***57***

Recording a digital satellite programme 57

Switching between digital satellite TV and terrestrial TV 57

Error messages 57

Solving Problems ***58***

On-screen messages 58

General Problems 61

Specification ***63***

End User Licence Terms ***64***

ENGLISH

For your safety

Your set-top box has been manufactured to meet international safety standards, but you must take care if you want to obtain the best results and operate it safely.

It is important that you read this booklet completely, especially the safety instructions below. ***If you have any doubts about the installation, operation or safety of your set-top box, please consult your dealer.***

WARNING!

Remember that contact with 230 V AC mains can be lethal or can cause a severe electric shock. To avoid this risk:

- **Never remove the top cover from your set-top box. There are no user-serviceable parts inside it, but there are some high-voltage live parts.**
- **Make sure that all electrical connections are properly made.**
- **Do not connect any of your equipment (set-top box, TV, video recorder etc.) to the mains supply until you have properly connected all the other leads.**
- **Disconnect your set-top box from the mains supply (by disconnecting its mains lead from the mains wall socket) before you disconnect any other equipment from its rear panel.**
- **Never push anything into the holes, slots or other openings of the set-top box case (except a smart card into its correct slot).**

CAUTION!

- ✔ In order to ensure a free flow of air around the set-top box, allow at least 5 cm of space above and around the set-top box.
- ✘ Never stand your set-top box on soft furnishings or carpets. Do not cover any ventilation slots.
- ✘ Do not place your set-top box in an unventilated cabinet or on top of a unit which emits heat (e.g. a TV or VCR).
- ✘ Do not place your set-top box in a cabinet with more than one other piece of audio/video equipment, for example, VCR or DVD.
- ✘ Do not use or store your set-top box in hot, cold, damp or dusty places.
- ✘ Do not put anything on your set-top box which might drip or spill into it. Never stand objects filled with liquids, such as vases, on top of your set-top box.
- ✘ Never place naked flame sources, such as lighted candles, on top of your set-top box.
- ✘ To avoid possible damage to the internal hard disk, do not pick up or otherwise move your set-top box while it is connected to the mains supply. If you want to move your set-top box, first disconnect it, then wait at least 30 seconds before continuing.

Thank you for choosing the Pace PVR box for viewing your Viasat channel packages. Please follow the instructions in this User Guide carefully to enjoy all the advantages of digital satellite TV. We advise following the user instructions and recommendations supplied with your box, especially for first-time use.

Your box fully complies with international DVB (Digital Video Broadcasting) standards.

❖ Updates to your box

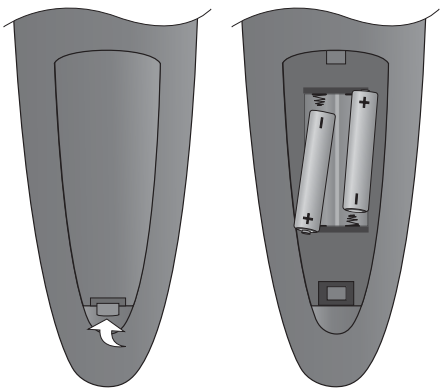
From time to time, your box may be updated. These updates provide enhanced features; new screens and menus may become available. Although any new screens and menus may look a little different from those described in this User Guide, you should be able to use the same techniques (e.g. highlight and select) with them.

Updates will usually happen in the middle of the night. Your box needs to be in standby to receive updates.

❖ Inserting the batteries in your remote control

Before you can use your remote control, you must insert the two supplied AA batteries as follows:

1. Push the catch at the bottom of the remote control battery cover up, then lift off the cover.
2. Insert the batteries as shown below. Be sure to match the + and – marks on the batteries to their respective marks inside the battery compartment.
3. Replace the battery cover, by inserting the tab at the top of the cover first, then pushing the cover into place.



✘ Don't leave flat batteries in your remote control.

✔ Replace both batteries at the same time.

✔ Dispose of flat batteries in an environmentally-friendly way.

ENGLISH

Your remote control

VIASAT
Takes you from the EPG to the last channel you were watching
Takes you back to Normal mode after you have been using 'TV-only mode'

TV
Switches to TV-o nly mode', to use your VCR or other item connected through your box

TICKET
Displays the Ticket screen to order movies and events

EPG
Displays the electronic programme guide (EPG)

i
Displays more information about a programme

vol + and –
Changes the volume of your TV up or down*

rewind
Rewinds the programme

pause
Pauses the programme or starts a 'Live Pause' recording

play
Plays a recorded programme

fast forward
Fast forwards the programme

stop
Stops playback of the programme

record
Records the programme or sets a reminder for a future recording

SETUP
Displays the Setup screen to alter your box's settings

iTV
Displays the menu for Viasat's range of interactive services

⏻
Puts your box into or out of standby

PLANNER
Displays your Planner

EXIT
Takes you from the EPG to the last channel you were watching
Takes you back to Normal mode after you have been using 'TV-only mode'

ch + and –
Changes channel and pages up and down through listings in the EPG and Planner

arrow buttons
▲, ▼, ◀, ▶
Moves the highlight around the screen

OK
Confirms a choice or makes a selection

BACK
Jumps back to the previous screen

HELP
Displays help information

mute
Turns the sound of your TV on or off*

colour buttons
Use to select the matching colour option shown on screen, or as explained in this User Guide.
Also, the **red** button launches an interactive service when you see the red button on your TV screen

number buttons (0-9)
Use to change channel, enter numbers and select on-screen options

*For information on setting up your remote control to operate your TV, see page 55.

❖ Front panel

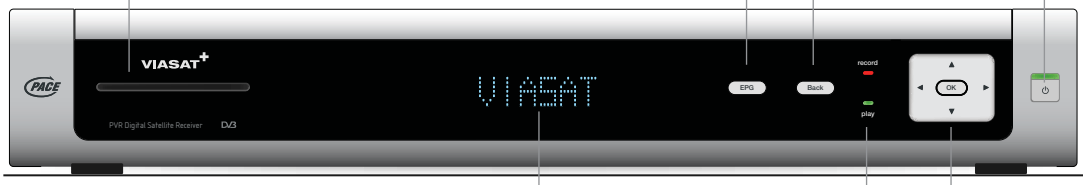
Back button
To remove a menu and go back to the previous screen

EPG button
To display the on-screen Viasat EPG (electronic programme guide)

smart card slot
To insert your smart card

⏻ button
To switch your box into or out of standby

indicator light
Lights up *red* when your box is in standby
Lights up *green* when your box is active
Lights up orange when your box is receiving a signal from your remote control



LED display
Shows the current time when your box is in standby
Shows the channel number when tuned to a TV or radio channel;
Shows the current playback function, for example 'PLAY', 'PAUS', 'FF 2', 'RW 4' etc.

record and play indicators
Lights up *red* when your box is recording to the hard disk
Lights up *green* when your box is playing back from the hard disk

▲ ▼ (arrow buttons)
To highlight the previous or next item in a list or on-screen menu

◄ ► (arrow buttons)
To move to the left and the right through on-screen menus, lists or items
To change settings on the screens

OK button
To confirm a choice or save a setting

ENGLISH

Your Viasat Box

❖ Rear panel connectors overview

Full details about connecting up and installing your box begin on page 7.

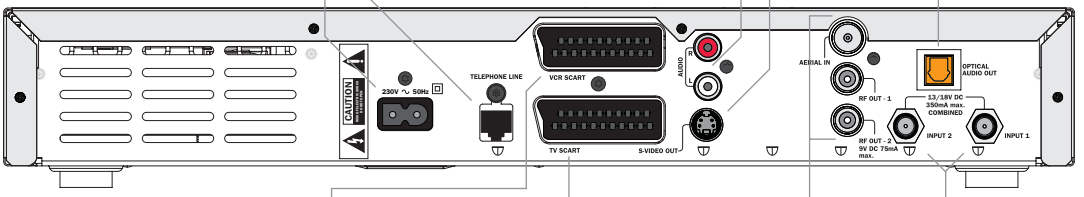
TELEPHONE LINE
To connect the telephone lead

Mains input
Do not connect the mains plug to the wall socket until you have made ALL the other connections

S-VIDEO OUT
To connect an S-Video lead (not supplied) to the S-Video connector on your TV

AUDIO L + R
(Left and right stereo audio)
To connect phono leads (not supplied) to a TV, VCR or hi-fi amplifier

OPTICAL AUDIO OUT
To connect an optical digital-audio lead (not supplied) to a home cinema system



VCR SCART (in/out)
To connect to the SCART connector on your VCR or to connect to another item of equipment with a SCART output

TV SCART (out)
To connect to the SCART connector on your TV

AERIAL IN
To connect the lead from your TV aerial

RF OUT - 1
To connect an RF lead to your TV (or video recorder)

RF OUT - 2
To connect an RF lead to a second TV or 'magic eye'

INPUT 1 and **INPUT 2**
To connect the satellite signal inputs from the Quad LNB

WARNING

Always disconnect your box from the mains supply before you connect it to (or disconnect it from) any other equipment.

To install your box, follow the instructions from this page up to page 16.

❖ The supplied equipment

Mains lead

If you have not already done so, remove all the packaging.

You should have the following items:

- Viasat PVR box (see page 6)
- Remote control and batteries (see page 4)
- User Guide in five languages (Swedish, Norwegian, Danish, Finnish and English)
- Mains lead - with 2-way connector and 2-pin mains plug (see right)
- SCART lead (see right)
- RF lead (see right)
- Telephone lead - RJ11 to RJ11 (see right)
- Telephone line (RJ11) adapter suitable for your location (see page 12)
- Quad LNB and 2 x 25m coaxial cables (please ensure your LNB is set up correctly before you begin installing your box - see below)

SCART lead

RF lead

Telephone lead

❖ Where to place your box

Before you start, make sure that your TV, VCR and box will be placed in a location that is conveniently located:

- near an easily-accessible mains wall socket;
- within reach of your TV-antenna and satellite-dish leads;
- within 10 metres of a telephone point. (If not, you will need an extension telephone lead.)

WARNING

Before you connect your box to any other equipment, you must disconnect ALL the equipment from the mains supply.

❖ What else do I need?

Smart card

To get access to the channels to which you have subscribed, you will need a smart card.

If you are an existing Viasat customer...

- Please remove your smart card from your old box and insert it into your new box.

If you are a new Viasat customer...

- The smart card is not included in the package, but will arrive in a separate delivery within a week. In the meantime you can use your box to watch non-encrypted channels.

Installation

Inserting your smart card

1. Take your smart card from its packaging (if you have not already done so) and hold it so that the picture is facing upwards, and the 'smart' patch is facing downwards and at the end away from you.
2. Insert the smart card into the smart card slot of the front panel of your box. Insert it as far as it will go, without forcing it.

Taking care of your smart card

- Do not remove and re-insert your smart card unnecessarily.
- Do not bend your smart card; keep it away from children and pets.
- Do not put your smart card in liquids or use cleaning fluids on it.

Activating your subscription

When you have completed the installation (see page 15), a Subscription Activation screen will be displayed. Please follow the instructions that are given on the screen to get access to your Viasat channel package.

Satellite dish

You will need a correctly-installed satellite dish, pointing at the correct satellite(s).

- If you have a satellite dish but it is not pointing at the correct satellite(s), you will need to make adjustments. Please see the information supplied with your dish/LNB for details on how to do this, or seek professional advice.
- If you do not have a satellite dish installed, please ask your dealer to recommend a local dish-installation engineer.

Quad LNB set-up

Since the PVR has two tuner inputs you need to duplicate the incoming signal. This is done by replacing your existing Sirius Universal Single LNB with a Universal Quad LNB and install an extra cable to the PVR, or, if you are a new customer, installing two cables to the PVR. One Universal Quad LNB and 2 x 25 m coaxial cables are included in this package by Viasat.

Your choice of setup depends on the number of LNB:s in your antenna:

- One LNB - Your antenna is equipped with only one LNB. The antenna must be aligned towards Sirius 5°East
- Two or more LNBs - If you are using a DiSEqC™ unit* with two or more LNBs/satellite dishes, to ensure a simpler installation, and for the best Viasat channel line-up, you should connect up

the LNBs to the DiSEqC™ ports as shown in the LNB positions table below. You must then connect your DiSEqC™ unit to the satellite input on your box (see also pages 9 to 11).

The Quad LNB setup requires that two DiSEqC™ switches are installed, one for each tuner input.

If you have more than one LNB in your antenna, it is recommended, for full PVR functionality, that you exchange the LNBs for the other satellites also. Universal Quad LNBs are available at your local installer.

With a Universal Quad LNB there will be two spare signal outputs, where it is possible to connect an extra box, for example in your bedroom.

LNB positions table

Satellite	Position	Recommended DiSEqC™ port (for multiple LNB set-ups)
Thor	1° West	1
Sirius	5° East	2
Hotbird	13° East	3
Astra	19° East	4

If you change your satellite dish installation, you may need to change your settings so that your box can tune to all the satellites available - See "Changing the LNB Setup" on page 52.

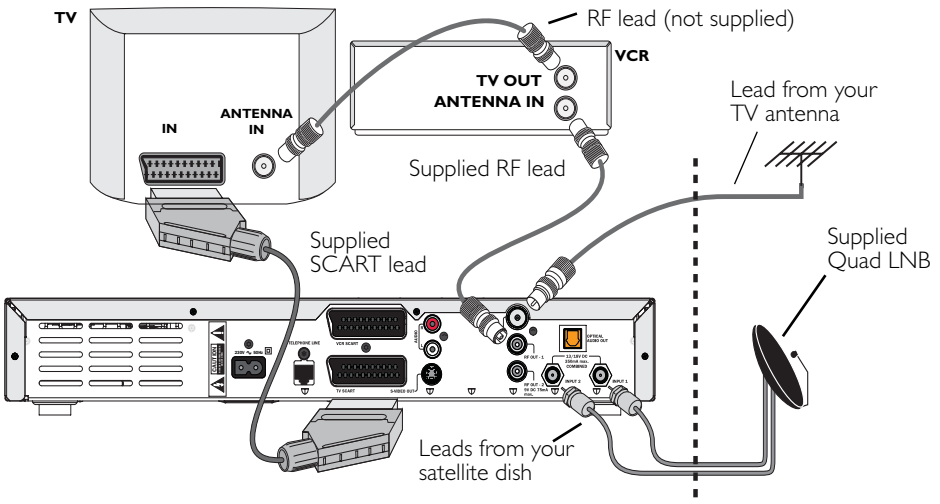
Note

Initially, only a two-way LNB set-up is supported, on DiSEqC™ ports 1 and 2. A three- or four-way LNB set-up using DiSEqC™ ports 3 and 4 (i.e. for Hotbird and Astra) will be supported after your box has collected an automatic software update from Viasat.

Connection method 1: To TV and VCR (without SCART)

If wish to connect your box to a TV (with or without a SCART connector) and a VCR (without SCART connectors), connect up as shown in the diagram on page 10.

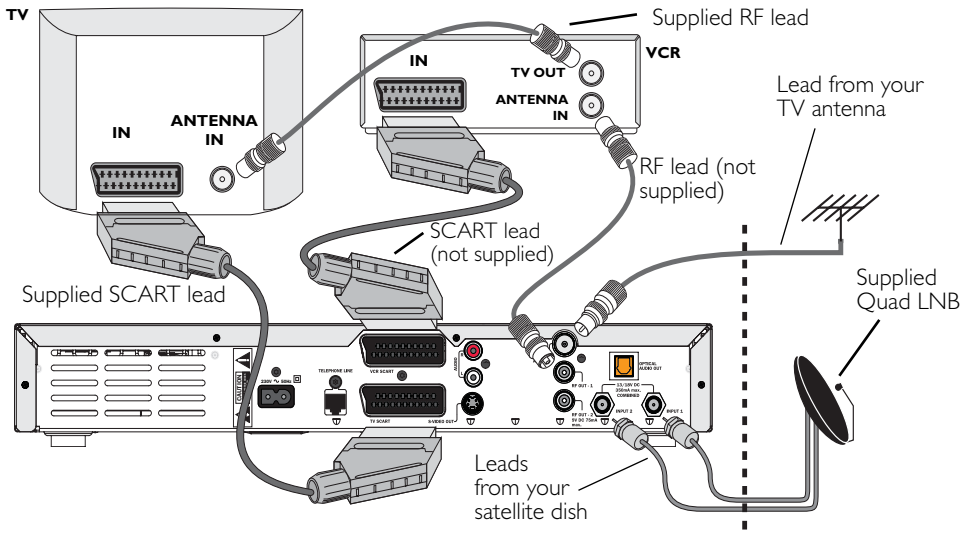
*DiSEqC™ is a trademark of Eutelsat.



1. If your TV has a SCART connector, use the supplied SCART lead to connect your box to your TV, for improved quality picture and sound.
2. Use the supplied RF lead to connect from your box's RF out connector (marked **RF OUT - 1**) to the antenna input on your VCR.
3. Use an RF lead (not supplied) to connect your VCR to your TV as shown.
4. Connect the lead from your TV antenna to the antenna input connector (marked **AERIAL IN**) on your box.
5. Connect the leads from your satellite dish to the satellite input connectors (marked **INPUT 1** and **INPUT 2**) on your box.

Connection method 2: To TV and VCR

If you have a VCR with a SCART connector and a TV with a SCART connector, you can connect up as shown in the diagram below.



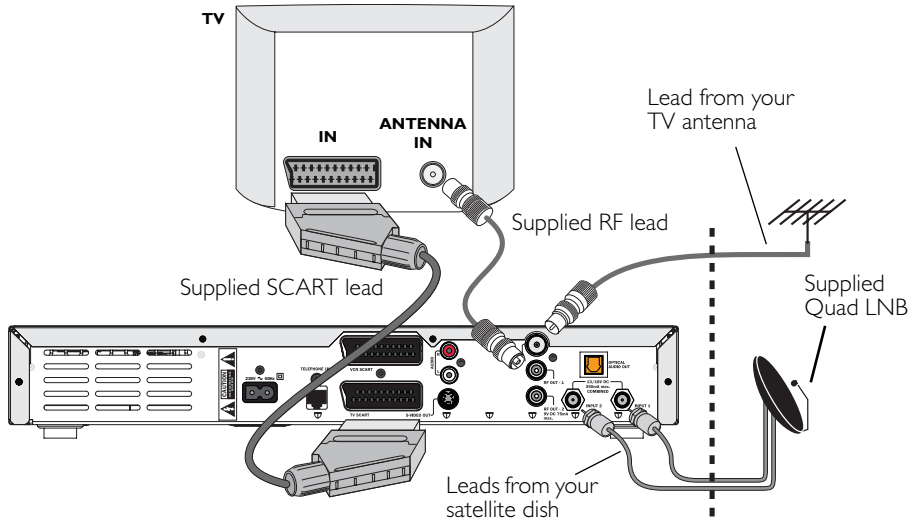
1. Use the supplied SCART lead to connect your box to your TV.
2. Use a SCART lead (not supplied) to connect your box to your VCR.
3. Connect the leads from your satellite dish to the satellite input connectors (marked **INPUT 1** and **INPUT 2**) on your box.

   The RF connection is not required for digital satellite TV. However, you may wish to connect RF leads as shown, to continue to view or record terrestrial TV from your TV antenna.

   You must then connect the lead from your TV antenna to the antenna input connector (marked **AERIAL IN**) on your box.

Connection method 3: To TV only

If wish to connect your box to a TV only, connect up as described in 3A or 3B below.
(The diagram below shows methods 3A and 3B combined.)



3A: If your TV has a SCART connector

1. Use the supplied SCART lead to connect your box to your TV.
2. Connect the leads from your satellite dish to the satellite input connectors (marked **INPUT 1** and **INPUT 2**) on your box.
3. To continue to view or record terrestrial TV from your TV antenna, connect the lead from your TV antenna to the antenna input connector (marked **AERIAL IN**) on your box, and use the supplied RF lead to connect from your box's RF out connector (marked **RF OUT - 1**) to the antenna input on your TV.

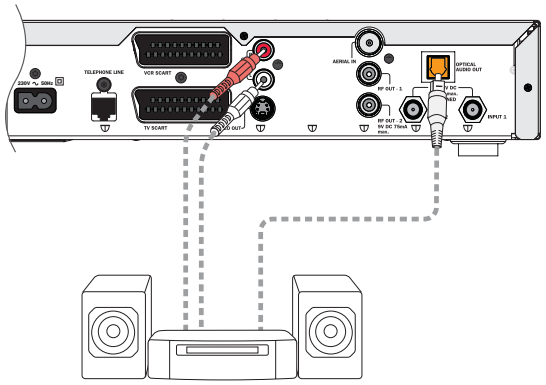
3B: If your TV does not have a SCART connector

1. Use the supplied RF lead to connect from your box's RF out connector (marked **RF OUT - 1**) to your TV.
2. Connect the leads from your satellite dish to the satellite input connectors (marked **INPUT 1** and **INPUT 2**) on your box.
3. Connect the lead from your TV antenna to the antenna input connector (marked **AERIAL IN**) on your box.

❖ Optional audio connections

This diagram shows the optional audio connections you can make to obtain improved quality sound.

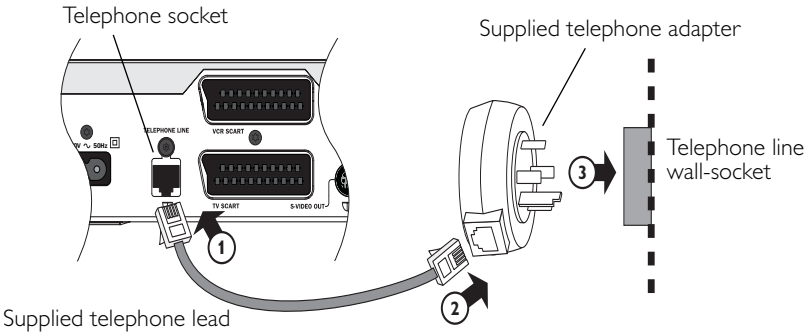
You can connect to stereo audio equipment as shown, or alternatively, if your TV and/or video recorder has the correct input connectors, you can connect to these as required.



Note

If you connect to your TV, video recorder or other equipment via the S-VIDEO OUT connector, you must also use an audio connection, in order to hear/record sound.

❖ Connecting to the telephone line



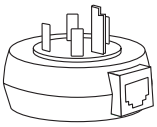
Notes

If your telephone wall socket is *not* an RJ11 socket (see right), you will need to use one of the supplied adapters, shown on page 13.

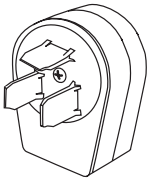
RJ11 socket

If your telephone wall socket is an RJ11 socket, you may need a splitter (not supplied) so that you can plug in both your box *and* your telephone.

1. Insert one end of the supplied telephone lead into the telephone socket (marked **TELEPHONE LINE**) on the rear panel of your box, as shown in the diagram at the top of the page.
2. If you need to use an adapter, choose the correct adapter for your location. If you are not sure which one to use, compare with your telephone connector.
   Insert the free end of your supplied telephone lead into the RJ11 socket on the adapter.
3. Remove your telephone connector from your telephone wall socket. Insert your telephone connector into the correct socket on your adapter.
   Insert the adapter into your telephone wall socket.



Adapter for Sweden

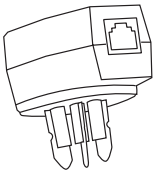


Adapter for Denmark

❖ Connecting a 'magic eye'

You can connect a 'magic eye' (not supplied) to the secondary RF output (marked **RF OUT - 2**) on the rear panel of your box, so that you can operate your box from a different room.

To connect the 'magic eye', consult the instructions that came with it.



Adapter for Norway and Finland

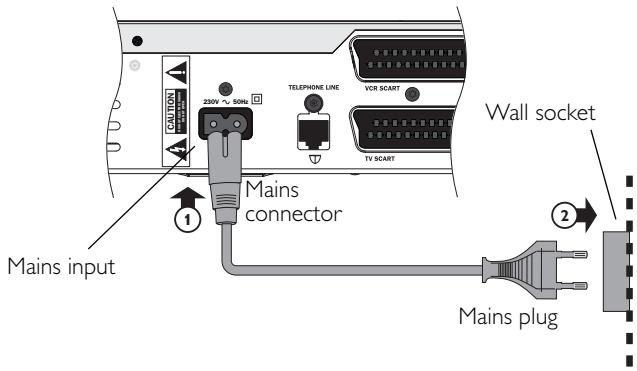
❖ Connecting to the mains supply

Once you have safely made all the other connections, you can connect your box to the mains supply.

1. Using the supplied mains lead, insert the box mains connector into the mains input (marked **230V ∿ 50Hz**) on your box, as shown in the diagram below.
2. Connect the mains plug to the mains wall socket as shown in the diagram below.
3. If there is a switch by the mains wall socket, switch it on.
4. Connect your other equipment to the mains supply.

WARNING

DO NOT connect the mains plug to the wall socket until you have made ALL the other connections.



ENGLISH

Caution

Your box operates with 230V AC, 50Hz mains supplies.
Do not connect it to a DC power supply.
The supplied mains lead has a 2-way connector at one end and a mains plug at the other. You should always insert the 2-way connector into your box ***before*** you insert the plug into the mains supply.
The only way to disconnect your box from the mains is to remove the mains lead. Your box must therefore be installed near to the mains socket-outlet, which should be easily accessible.
If you are in any doubt about the mains lead, its plug or its connection, consult a competent electrician.

❖ Switching on for the first time

When you connect your box to the mains, your box's front panel lights go through a start-up sequence. After about 20 seconds, your box is switched on and out of standby, and the standby light is green.

- Make sure your TV is switched on.

If the Welcome screen below displays, your TV is ready for digital satellite channels.

Welcome to Viasat
You are about to begin the installation of your new equipment
Existing Viasat customer
Please move your smartcard from your old box to the PVR. You need to call the number listed by the flag of your country selection to activate your card.
NEW Viasat customer
The smartcard is not included in the package, but will arrive in a separate delivery within a week. In the meantime you can watch the non-encrypted channels.
Please select country and press OK to continue
Sweden 08 5620 3300
Norway 8005 3020
Denmark 7012 1151
Finland 09 4249 7700
VIASAT

You can now continue the installation by turning to the section 'Making the installation settings' on page 15.

Note

If you have a VCR connected to your box via an RF lead (as in connection method 1), to be able to record satellite programmes, you may need to perform RF tuning for your VCR - see page 15.

If the Welcome screen does not display...
If you have connected your box to your TV (and VCR) via SCART leads, try selecting your TV's 'AV input'.

If you have connected your box to your TV (and VCR) via RF leads only, you need to tune a 'channel for satellite TV' (see 'RF Tuning' on page 15).

❖ RF Tuning

If you have connected up your equipment via RF leads, you may need to perform RF tuning before you can watch digital satellite TV.

Note

If you have previously had an analogue satellite receiver connected to your TV (and/or VCR), you may find that your 'channel for satellite TV' still works for your new digital channels. Try it to see - if it works you do not need to perform RF tuning.

RF tuning your TV (and VCR) to your box

1. Make sure your box is active (the standby light on the front panel should be green).
2. Consulting your TV's user guide if necessary, tune the TV until you can see the Welcome screen (see page 14) on your TV screen.
3. Store your new 'channel for digital satellite TV' on a TV channel number of your choice. For example, if your terrestrial channels are channels 1 to 5, and your 'VCR channel' is channel 8, you may wish to use TV channel 9 as your 'channel for digital satellite TV'.
4. If you have a VCR, set your TV to its 'VCR channel', then tune your VCR until you can again see the Welcome screen.

If you cannot RF tune your TV (or VCR) to your box...

Your box's factory preset RF *output* channel is channel 38. (This is not the same as a TV channel).

If channel 38 is not compatible with your TV, for example if it is already being used as your VCR's output channel, or for a terrestrial channel, you may find you cannot tune your TV to your box because of interference.

Changing the RF output channel is covered in the setup section (see page 54).

RF channels may also be known as *UHF* channels.

❖ Making the installation settings

Choosing your country

If you have completed the installation instructions up to this point, the Welcome screen is displayed on your TV screen. (See page 14 for a picture of the Welcome screen.)

1. Take your remote control. If you have not already inserted the batteries, do so now (see page 3).
2. Press ▲ or ▼ until the country you want is highlighted, then press **OK**.

Checking the signal

The Signal Test screen is now displayed. You use this screen to confirm that your box is receiving a satellite signal.

The details on the screen show the satellite input numbers, together with a bar showing the strength and quality of the signal being received from the satellite.

Your box must receive a signal strength between 49-79 dBuV, preferably above 64 dBuV. If the signal strength is lower the picture quality is more easily affected by bad weather, such as rain, thunder storms, etc. The signal quality should be 1.0E-7BER and the Lock Indicator should display 'OK' in order to successfully find channels.

If there is no signal, check your installation. Check all the connections are properly made. See also the section 'Solving problems' on page 61.

If the signal strength or quality is poor, adjust your dish/LNB as required, referring to the information provided with the equipment.

- When you are satisfied that there is an adequate signal, press **OK**.

When you have completed the installation, a Subscription Activation screen is displayed. See "Activating your subscription" on page 8.

❖ Switching on and off

Whenever you are not using your box you should put it into standby. You should not unplug it at the mains socket.

- To put your box into standby, press ⏻.
- To make your box active, press ⏻.

❖ Using the Viasat Guide

Your box has an on-screen digital guide to your digital satellite services. It is designed to help you get the most out of your box. You use it to:

- watch programmes and at the same time find out what is showing on other channels, both now and later on;
- see on-screen TV programme listings seven days ahead via the EPG;
- order movies, sports and events using Ticket;
- set reminders for programmes you want to watch using the Planner;
- set your box to record programmes on now or showing in the future;
- watch programmes you have recorded;
- access a range of interactive services, such as games you can play using your remote control;
- change settings on your box, including the Parental Control settings, to make sure your box works how you want it to.

❖ Changing channel

You can change channel by using:

- the **number** buttons;
- the **ch +** and **–** buttons; or
- one of the on-screen methods described in the following sections.

❖ Unlocking a locked channel

If you have used Parental Control to lock any channels (see page 42), these channels will not be available to view without being unlocked first. In addition, if you have used Parental Control to set viewing restrictions based on age category ratings (see page 43), then programmes broadcast with an age rating at the same level or above will be locked. If you have used Parental Control to lock any channels (see page 42), these channels will not be available to view without at first unlocking them.

If you want to watch a locked channel or programme, you will need to enter your PIN code (see page 41).

If the message '*Please enter PIN code to unlock channel*' appears when you change channel:

1. Use the **number** buttons to enter the correct PIN code.
2. If you make a mistake, press **BACK** to delete the numbers you have entered.

If the PIN code is correct, the programme you want to watch displays.

- If the PIN code is not correct, you will see a message to tell you. You can either try again, or change channel to a channel that is not locked.

Note

When you unlock a channel using this method, the channel remains unlocked for as long as you are viewing it. The channel is relocked when you change to a different channel, put your box into standby, or turn off your box.

❖ Changing the volume on your TV

- To change the volume on your TV set, press **vol +** or **vol -**.
- To turn your TV's sound on or off, press **mute**.

❖ Using the channel banner

You can display the channel banner to find out:

- what is showing on any channel, now and later on;
- more about a programme you are interested in.

You can then use the channel banner to:

- tune to a programme you want to watch;
- record the programme you are watching, or a programme on a different channel;
- set a reminder for a future programme;
- set your box to record a future programme.

While the channel banner is displayed, you can continue to watch the current channel.

Displaying the channel banner

- To display the banner, press **OK**.

  Information about the programme on *now* displays.

- To display information about the programme on *next*, press ▶.
- To redisplay information about the programme on *now*, press ◀.
- To display extra programme information (see page 19), press **i**.
- To change which channel is highlighted by the channel banner, press ▲ or ▼.
- To remove the banner, press **BACK**.

Note

This banner also displays briefly when you change channel. To set the length of time that the channel banner displays on-screen, see page 49.

Watching a programme

If you see a programme you want to watch, press **OK**.
If the programme is on now, your box tunes to it automatically; if it is on at a later time, a reminder will be set.

Instantly recording a programme

If you see a programme in the channel banner that you want to record, press **R** to record it.

If the programme is on now, your box starts recording instantly. If it is on at a later time, your box will record the programme when it starts.

An R symbol (see page 20) displays on the channel banner, next to the programme, to show you the programme is selected for recording. The programme is also added to your Planner (see page 30).

For more information about recording programmes and using your Planner, see 'Planner' on page 30 and 'Recording Programmes' on page 34.

Note

If you are using Instant Rewind (see page 22) when you press **R**, the recording will start from the earliest point in the programme that you could rewind to. Depending on your settings, this may be up to 60 minutes before live TV (see 'Review buffer' on page 47).

Setting a reminder

If you see a programme in the channel banner that you want to watch, but it is on at a later time, press **OK**.

Your box sets a reminder for you. This means, the programme is added to your Planner (see page 30) and a clock symbol (see page 20) displays on the channel banner, next to the programme, to show you the programme has been added to your Planner.

When the programme is about to start, a reminder message displays to let you know.

Displaying extra programme information

While the channel banner is on screen, you can display extra information about the programme listed in the banner.

- While the channel banner is on screen (see page 18), to display extra programme information, press **i**.

413 The Matrix
7.30 - 10.30pm
M
(v,l)(1999) Keanu Reeves, Laurence Fishburne, Carrie-Anne Moss, Hugo Weaving. A computer hacker learns from mysterious rebels about the true nature of his reality and his role in the war against the controllers of it.
Close
Search by channel
Search by Time

ENGLISH

The extra information includes a programme summary and codes and symbols which provide you with additional information about the programme. These are explained below.

- To remove the extra programme information, press **i** again.

❖ Symbols in the channel banner and extra information screens

The channel banner and extra information screens may include symbols giving particular information about programmes.

Symbols	Explanations
	The '7 or under' age category rating for this programme.
	The '11 or under' age category rating for this programme.
	The '15 or under' age category rating for this programme.
	The '18 or under' age category rating for this programme.
	The programme is a radio broadcast.
	A reminder is set for the programme.
	The programme is selected for recording.

❖ Using Live Pause

- While you are watching a TV programme, you can pause it at any moment you want - just press **pause** on your remote control.

The TV picture and sound 'freeze', and your box starts recording the programme.

- When you want to continue watching the programme from the Live Pause point, press **pause** again, or press **play**.

A symbol briefly displays on-screen (see page 23). This shows the number of minutes you are 'behind' the actual live TV programme.

While you are watching the Live Pause recording, you can use **pause**, **play**, **fast forward** and **rewind** to move through the recording. Symbols display on your TV screen to show you what is happening (see page 23). If you rewind back to the start of the recording, the picture freezes. If you fast forward to the end of the recording, your box takes you back to normal TV viewing.

While you are watching the Live Pause recording, your box continues recording the programme until it finishes. However, you can press **VIASAT** at any point to stop Live Pause and resume normal TV viewing. When you stop Live Pause, the recording is deleted.

If you change channel, or launch an interactive application, this will also stop and delete the Live Pause recording.

Note

When you use Live Pause your box records the programme, *but it is not added to your Planner*. This means, once you return to normal TV, or launch an interactive application, the Live Pause recording is deleted. To record the programme to your Planner, to watch it in the future, press the **record** button (see page 19).

Using other VIASAT on-screen features while you are using Live Pause

While you are using Live Pause, you can use the channel banner (see page 18) to find out what is showing now and later. However, you cannot display extra information (see page 19) about other programmes - you can only display information for the Live Pause programme.

While you are using Live Pause, you cannot use the EPG, Ticket, iTV or your Planner. If you want to use these you must stop (exit) Live Pause.

ENGLISH

If you select one of these options while you are using Live Pause, a message displays.

- To continue Live Pause, press **BACK**.
- To stop Live Pause (and delete your Live Pause recording) press **OK**. The screen for EPG, Ticket, iTV or your Planner displays.

❖ Using Instant Rewind

If the Instant Rewind feature is turned on (see page 47), at any moment while you are watching TV, you can rewind the programme you are watching to catch something you missed.

- To start Instant Rewind, press **rewind** on your VIASAT remote control. Depending on your settings, you can rewind up to 60 minutes before live TV. You can increase the rewind speed by pressing **rewind** again. (To slow down the rewind speed, press **fast forward**.)
- When you reach the point you want to watch from, press **play**. A symbol briefly displays on-screen (see 'On-screen symbols' on page 23). This shows the number of minutes you are 'behind' the actual live TV programme.

You can continue watching the entire programme from that point - your box will continue recording until the end of the programme. Or, you can press **fast forward** to catch up with normal TV again.

While you are watching an Instant Rewind recording, symbols display on your TV screen to show you what is happening (see 'On-screen symbols' on page 23).

You can press **VIASAT** at any point to stop Instant Rewind and resume normal TV viewing. When you stop Instant Rewind, the recording is deleted.

If you change channel, or select EPG, Ticket, iTV or your Planner, this will also stop and delete the Instant Rewind recording.

Subtitles are not available whilst you are using Instant Rewind.

Note

The Instant Rewind feature is set to 60 minutes by default. To change the maximum amount of time that you can rewind, or to turn off the Instant Rewind feature, see page 47.

❖ On-screen symbols

The following symbols appear on your TV screen while you are using your box. They are referred to throughout this User Guide, but here is a handy reference of what each symbol means.

Play (during playback from your Planner)
The blue ring rotates clockwise.
The number, shown with a *plus* sign, is the number of minutes *since the start of the recording*.
Slow-motion play
The blue ring rotates clockwise at half the speed of normal play.

Play (during Live Pause or Instant Rewind)
The blue ring rotates clockwise.
The number, shown with a *minus* sign, is the number of minutes *before live TV*.
Slow-motion play
The blue ring rotates clockwise at half the speed of normal play.

Pause (during playback from your Planner)
The blue ring does not move.
The number, shown with a *plus* sign, is the number of minutes *since the start of the recording*.

Bookmarked (during Pause of playback from your Planner)
Shows you have just selected that point to be a Bookmark.

Pause (during Live Pause or Instant Rewind)
The blue ring does not move.
The number, shown with a *minus* sign, is the number of minutes *before live TV*.

Fast forward (during playback from your Planner)
The blue ring rotates clockwise at double-speed, containing the selected fast-forward speed (x2, x6, x12 or x30).
If the number is a *minus* number, fast forward is taking place in Live Pause or Instant Rewind.

Rewind (during playback from your Planner)
The blue ring rotates anti-clockwise at double-speed, containing the selected rewind speed (x2, x6, x12 or x30).
If the number is a *minus* number, rewind is taking place in Live Pause or Instant Rewind.

Skip forward

The blue ring does not move.

The number shows the number of minutes since the start of the recording.

Skip back

The blue ring does not move.

The number shows the number of minutes since the start of the recording.

Note

No playback symbols appear on-screen while the channel banner or extra programme information is displayed.

❖ EPG

The EPG (Electronic Programme Guide) provides you with a listing of all programmes available on all channels for the next seven days.

- To see your EPG, press **EPG** on your Viasat remote control.

TV listings are displayed as follows:

- **All Channel Listings** - all programmes on all channels for today and the week ahead, listed by channel number.
- **Channels by Genre Listings** - programmes for the next seven days, in the channel genres shown, listed by channel number. The channel genres are: **Movies & Series**, **News & Documentaries**, **Entertainment**, **Sports**, **Children**, **Music** and **Science & Culture**.
- **Programs Listed by Time** - programmes on all channels, sorted into the programme genres, listed by start time.

Note

Occasionally, for example if you are recording two programmes at the same time, you will not be able to use the EPG to see listings for a full seven days. However, you can still display information about the current programme.

Finding a programme

There are a number of ways to search for a programme. You can search by full listings, channel genre by channel, or programme genre by time.

Searching by All Channels

- To choose a programme from the full listings, press **EPG** on your Viasat remote control, highlight 'All Channel Listings' then press **OK**. The All Channels screen displays.

The start times and the day are shown at the top of the listings.

- To see what programmes are on at different times, press ▶ or ◀.
- To move through the list of channels, press ▲ or ▼.
- You can use the **red** (page up) and **green** (page down) buttons on your remote control to see the previous or next section of the channel listing.
- Use the **yellow** (+24 hours) and **blue** (-24 hours) buttons on your remote control to move forward and backwards by 24 hours through the listings.
- To display extra programme information (see page 19), press **i**.
- To remove the All Channels listing, press **BACK** or **VIASAT**.

Searching by Channel Genre

If you know what type of channel you want to watch, you can search by channel genre, such as Sports.

1. To choose a programme by channel genre, press **EPG** on your Viasat remote control, highlight 'Channels by Genre Listings' then press **OK**. The Genre Listings screen displays.

2. Highlight a channel genre then press **OK**. The listings screen for that channel genre displays.

You use this screen in the same way as the All Channels screen.

Searching by Time

If you want to see a list of all the programmes showing at a particular time, you can search by programme time.

- To choose a programme by time, press **EPG**, highlight 'Programs Listed by Time' then press **OK**.

The Programs by Time screen displays.

- Highlight one of the programme genres listed, then press **OK**.

The listings screen for that programme genre displays, with the programmes listed in the order they are showing.

MOVIES & SERIES
14:20 Mon 20
All Genres
12:40 Oprah Winfrey Show 3 TV3 Sve
13:00 Michel Vaillant 13 TV1000 Ac..
13:00 Ökenskattens hemlighet 14 TV1000 Cl..
13:00 Motormagasinet 26 EXPLORE..
13:00 Änka på låtsas 10 TV1000
13:00 Historiens största hjältar 27 Viasat His..
13:00 Melrose Place 62 Tv400
Action Adventure Fiction Comedy
VIASAT
Choose title and press OK, press R to record

- To move through the list of programmes, press ▲ or ▼.
- On some screens you can choose to view by sub-genre. Press a **colour** button (shown below the listings) to choose the sub-genre you want.
- Different sub-genres may be available. Press ◀ or ▶ to view all the available sub-genres.

Choosing a programme to watch or set a reminder for

- When you see a programme you want to watch, highlight it then press **OK**.

If the programme is on now, your box tunes to it immediately.

If the programme is on later, your box sets a reminder for you. Your Planner displays, showing the programme you have just added, together with a reminder symbol next to it (see page 31). For more information about your Planner, see page 30.

If a programme you have selected for a reminder is on at the same time as another reminder you have previously selected, a message will appear asking you what you want to do - See "Reminder clashes" on page 34.

Choosing a programme to record

- When you see a programme you want to record, highlight it then press **R**.

If the programme is on now, your box starts recording instantly. If it is on at a later time, your box will record the programme when it starts.

Your Planner displays, showing the programme you have just added, together with an R symbol next to it (see page 31). For more information about your Planner, see page 30. For more information about recording programmes, see page 34.

- To redisplay the EPG, press **EPG**.

Notes

Some programmes may be 'Ticket' programmes, which means you need to purchase the programme before you can watch or record it. If this is the case, you will see a message with the programme details and purchase price. For more information, see 'Ticket', below.

❖ Ticket

You can use your remote control to order movies, sports, events and adult programmes through Ticket.

When ordering, you must specify the Ticket programme you want to view. Currently, after you have ordered the programme, you can access the Ticket channel at any time from 10am on the day the programme is broadcast until 10am the following day.

- To view the Ticket screen, press **TICKET**.

You may select from:

- **Now Showing** - movies on now or starting within the next 24 hours;
- **Session Times** - movies showing over the next three days.

Purchasing a Ticket programme

You can order a Ticket programme to watch or record as follows:

1. From the Ticket screen, choose a Ticket listings screen, (highlight your choice then press **OK**).
2. Use the **arrows** to highlight a programme.
3. If you want to display extra programme information (see page 19), press **i**. To remove the extra programme information, press **i** again.
4. If you want to watch the programme, press **OK**. (If the programme is starting later, your box will set a reminder for it.)

   If you want to record the programme, press **R**.

Information about the Ticket programme you have selected will then be displayed, including the start time and purchase price.

5. Press **OK**.

If you have used Parental Control (see page 41) to set viewing or purchase restrictions, you may need to enter your PIN.

6. If you need to enter your PIN, use the **number** buttons to enter it.

Watching a Ticket programme

If you pressed **OK**, and the Ticket programme is about to start, your box tunes to it.

If the programme is on at a later time, it is added to your Planner. A reminder will appear when the programme is about to start.

- Press **OK** to watch the programme. (If you prefer, you can press **R** to record the programme instead - see the next section.)

Recording a Ticket programme

If you pressed **R**, and the Ticket programme is about to start, your box starts recording.

If the programme is on at a later time, it is added to your Planner. Your box then records it at the chosen time.

For full information about recording programmes, see page 34.

Watching recordings of Ticket programmes

If you have recorded a Ticket programme, but not yet watched it, it remains in your Planner for a fixed amount of time before it is deleted. Some programmes may remain in your Planner for up to seven days if you do not view them.

Note

If you do not watch the programme, your box will automatically delete the recorded programme at the specified time.

You will be charged for the programme when you begin playing back the recording. After you start playing back a Ticket recording, you will have a period of time in which you can watch it as many times as you like, at no extra charge. When this time period is up, your box will automatically delete the recording.

The amount of time you have left to watch, or begin watching a recording is shown on the programme's extra information box.

Notes

As an alternative to using the Ticket listings, you can use the EPG (see page 25) or channel banner (see page 18) to choose a Ticket programme. Press **OK** to choose the programme and then follow the instructions above starting from step 3.

To order Ticket programmes with your remote control, your box must be connected to your telephone line (see page 12).

❖ Planner

Your Planner helps you plan all your TV viewing. It shows:

- all the programmes you have recorded, and tells you whether or not you have watched them;
- all the programmes you have set your box to record in the future;
- all the programmes for which you have set a reminder.

It also allows you to select programmes to 'Keep'. You need to enter your PIN code before you can delete a Kept programme.

Whenever you record a programme, choose a programme to record later, or set a reminder, it is automatically added to your Planner (unless there is a clash - see pages 34 and 35).

- To view your Planner, press **PLANNER** on your remote control.

Your Planner provides the following information about the listed programmes:

- The name of the programme and the channel it is on;
- The day and start time for future programmes;
- If the programme has been recorded, information about the recording is shown, as follows:

  Recording - the programme is currently being recorded.

  Recorded - the programme has been recorded in full (but has not yet been watched).

  Part recorded - part of the programme was recorded (but has not yet been watched). To find out why only part of the programme was recorded, highlight the programme, then press **i**.

  Viewed - you have watched all or part of a programme. This may be a fully-recorded or part-recorded programme, or even one that is still recording.

Failed - you selected the programme for recording, but the programme did not record. To find out why, highlight the programme, then press **i**.

Clashed - you selected the programme for recording, but it did not record because it clashed with another recording. For more information about recording clashes, see page 35.

You can display extra information about a highlighted programme:

- Press **i**.

More details about extra programme information are on page 19. In addition to the standard information, the extra information for a recorded programme shows information about the status of the recording, the time the recording was made, and the disk space used by the recording.

- To remove the extra information, press **i** again.

Note

The maximum number of reminders you can set is 50; the number of recordings is limited only by the disk space available.

Symbols in your Planner

The following symbols may appear next to items in your Planner:

Symbols	Explanations
	Reminder symbol - shows that a reminder has been set for the programme.
	Record symbol - shows that the programme has been selected for recording.
	Keep symbol - shows that a recorded programme or a programme selected for future recording has been marked to '*Keep*'. This means that the programme will not be automatically deleted, for example when your box's disk is nearly full.
	Series Link symbol - shows that the programme is one of a series and you have selected it for *Series Link*. For more information, see page 32.
	Series Link Record symbol - shows that the programme currently being recorded is one of a series and you have selected it for *Series Link*.
	Series Link Keep symbol - shows that a recorded programme or a programme selected for future recording is one of a series and has been marked to '*Keep*'. This means that the recordings of programmes in the series will not be automatically deleted, for example when your box's disk is nearly full.
	Series Link Reminder symbol - shows that the programme is one of a series and you have selected it for *Series Link*, and you have also set for a reminder for it.

Using your Viasat remote control's colour buttons

Depending on the programme that is highlighted in your Planner, you may be able to use the colour buttons on your remote control to select one or more of the following. If a colour button is available, the option is shown at the bottom of the screen.

- If the programme is part of a series, you can press the **green** 'Series Link' button to make sure the following episodes are automatically added to your Planner (see page 32).

ENGLISH

- You can press the **yellow** 'Delete' button to remove any programme from your Planner (see below).
- You can press the **record** button to change a programme reminder into a future recording or a future recording into a reminder.
- If the highlighted programme is a recorded programme, or has been selected for future recording, you can press the **blue** 'Keep' button to mark it to '*Keep*'. This means that the programme will *not* be automatically deleted, for example when your box's disk is nearly full. You can also press the **blue** button to remove the 'Keep' setting, but note that Kept programmes are PIN-protected - you must enter your PIN to delete them.

Your box's disk space

At the top of your Planner there is disk space indicator (a yellow line). The length of the line shows you the total amount of space that is already used, and the number above tells you the percentage of disk space that is still available.

To find out exactly how much space each programme takes up (or an estimate of how much space it will take up, if it is a programme selected for future recording), press **i**.

For more information about disk space, see page 36.

Schedule changes

If the start time of a programme changes by up to 6 hours, your Planner is automatically updated. So, if you have set a reminder for a programme, you still see the reminder when the programme is about to start; or if you have selected a programme to record, your box will still start recording at the correct time.

However, if the programme start time changes by more than six hours, the programme will be removed from your Planner and you will need to set a new reminder, or set the programme to record again. See also Recording Clashes on page 35.

Using Series Link

If the **green** 'Series Link' colour button option appears on-screen when you highlight a programme in your Planner, this means the programme is one episode of a series, on that channel.

- If you want to watch or record future episodes in the series, press the **green** 'Series Link' button.

The Series Link symbol (see page 31) is then shown next to the programme, indicating that the link is set.

If you selected the programme for future recording, the future episodes in the series will also be set for recording.

Deleting a programme from your Planner

If you wish to remove a programme from your Planner, you can do so as follows:

- Highlight the programme, then press the **yellow** button.
- To remove a series link, highlight an unrecorded episode in the Planner that is part of the Series Link and press the **green** button: the series link icon will be removed. Deleting the last episode in the Planner that is part of a series link also removes the series link

If the programme is one that has been selected for a reminder, or for future recording, it is deleted immediately.

If the programme is a recorded programme, it is deleted immediately.

For some programmes, for example those which have been marked for 'Keep', a message appears asking you to confirm the deletion.

- To cancel the deletion and redisplay your Planner, press **BACK**.
- To confirm the deletion, use the **number** buttons to enter your PIN code.

Note

After you have deleted a recorded programme from your Planner, you cannot recover it.

Watching a programme when you see the reminder

One minute before a programme for which you have set a reminder is due to start, your Planner displays a reminder message on your TV screen.

Personal Planner - Reminder
6.59pm Fri 20
This programme is about to start
Six Feet Under
7.00pm WMOV
Press SELECT to view or R to record

- To watch the programme, press **OK**.
- To record the programme, press **R**.
- To carry on watching the programme you are already watching, without changing channel or recording the programme, press **BACK**.

Notes

In order for reminders to be displayed, your box must be switched on and you must be watching Viasat.

You can change the settings for when the reminder displays (see page 45).

Reminder clashes

If a programme you have selected for a reminder is on at the same time as another reminder you have previously set, a message will appear asking you what you want to do.

- To keep all the programmes in your Planner, press **OK**.
- To cancel the programme you have just selected, but keep the previously-set reminder(s), press **BACK**.

❖ Recording programmes

As explained in other sections in this User Guide, recording a programme is usually as simple as pressing **R** on your remote control.

- While you are *watching TV*, to record the programme you are watching, press **R** once to display the channel banner, then press **R** again to start the recording. Your box starts recording. Also, a Record symbol (see page 23) displays next to the programme and your box adds the programme to your Planner (although your Planner does not display).

Note

If you are using Instant Rewind (see page 22) when you press **R**, the recording will start from the earliest point in the programme. Depending on your settings, this may be up to 60 minutes before live TV.

- While you are looking at the *channel banner*, highlight a programme then press **R**. A Record symbol (see page 20) displays next to the programme and your box adds the programme to your Planner (although your Planner does not display). If the programme is on now, your box starts recording.
- While you are looking at the EPG or Ticket, highlight a programme then press **R**. Your Planner displays, with the programme added to it. (For more information about recording Ticket programmes, see page 29.)
- While you are looking at your Planner, if you decide to record a programme for which you have set a reminder, highlight the programme and press **R**.

Note

You cannot record iTV applications; however, you can record subtitles if these are displayed.

Cancelling a recording

- To cancel recording the programme you are watching, press **R** twice.
- To cancel a recording in the channel banner, highlight the programme then press **R**.
- While you are looking at your Planner, if you decide to set a reminder for a programme which you have set to record, highlight the programme and press **R**. If you want to remove the recording completely, highlight the programme then press the **yellow** 'Delete' button.

Note

If you cancel a current recording, the programme remains listed in your Planner, but it is marked as 'Part recorded'.

Using your box while you are recording a programme

Your box is very versatile! All the following combinations are possible. You can:

- record *one* programme, and at the same time watch a different programme.
- record *one* programme, watch a different programme, and use Live Pause or Instant Rewind, if you wish to.
- record *one* programme and at the same time use an iTV interactive application, such as playing a game.
- record *two* programmes at the same time, and watch one of the programmes that is recording.
- record *two* programmes, and at the same time, watch any recorded programme.

However, if you are recording *two* programmes at the same time, you cannot change to a different channel other than those two recording, view Ticket listings or use an interactive application.

Recording clashes

When you select a programme to record, your box checks whether it is on at the same time as any other programmes you have previously selected for recording. If more than two selected programmes are on at the same time, this creates a clash. Your box lets you know about the clash and suggests which previous selections you should cancel in order to record your new selection.

- If you want to cancel the suggested recordings, so that you can record your new selection, press **OK**.
- If you would prefer to keep your previous selections, and cancel the new selection, press **BACK**.

Note

Sometimes a recording clash may occur when the programme is about to be recorded, for example if you are using Live Pause or Instant Rewind. If this happens, a message displays to inform you about the clash, and to ask you what you want to do. You can then either cancel or confirm the recording.

Recording clashes caused by changes to the schedule

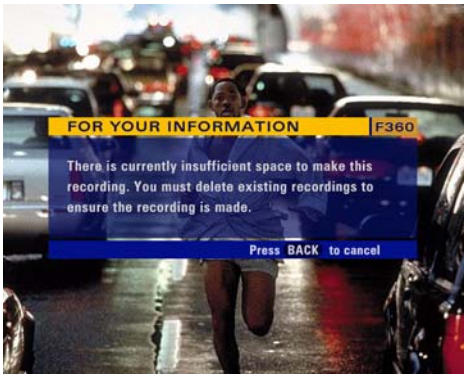
If a programme's start time changes, your Planner is automatically updated. If the new time(s) cause a recording clash, your box automatically records in full whichever programme starts earlier, then it will part-record any other programme(s) if they are still showing.

If you want to make sure a particular programme will be recorded in full, even if there are recording clashes, you can do so by selecting the programme to 'Keep' in your Planner (see page 31).

Disk space warning

When you select a programme to record, your box checks whether there is enough disk space to record it. If the disk is nearly full, your box may need to delete some programmes to make space for the new programme.

Depending on your settings (see page 46), your box may do this automatically. However, if you have set 'Disk Space Management (see page 47) to 'Manual', then you will see the message shown overleaf:


FOR YOUR INFORMATION
F360
There is currently insufficient space to make this recording. You must delete existing recordings to ensure the recording is made.
Press BACK to cancel

Press **BACK** to remove the message, then use your Planner to delete some recorded programmes (see page 32).

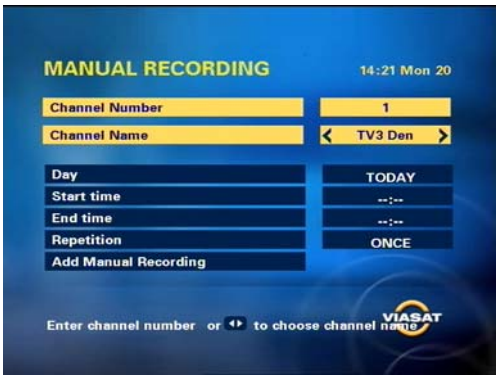
Note

As explained on page 32, you can use the disk space indicator to find out how much of your box's disk space is being used.

❖ Manual recording

Some channels, for example radio channels, do not provide programme listings in the channel banner or EPG. However, you can still use your box to record these channels, by using the Setup screens to set up the recording.

- Press the **SETUP** button on your remote control. The System Setup screen displays (see also page 41).
- Press ▼ to highlight 'Manual Recording' then press **OK**. The Manual Recording screen displays.



You set up the recording as follows:

1. Select the channel to record by using ◀ or ▶ to look through the channel names.
2. Press ▼ to highlight 'Day', then use ◀ or ▶ to select the day on which you want to record the channel you have chosen.
3. Press ▼ to highlight 'Start Time', then use the **number** buttons to enter the time you want the recording to start using the '24-hour clock'.

   While 'Start Time' is highlighted, if you make a mistake, you can press **BACK** to delete the numbers you have entered and start again.
4. Press ▼ to highlight 'End Time', then, in the same way as you entered the Start Time, use your remote control to enter the time you want the recording to finish.
5. Press ▼ to highlight 'Frequency', then use ◀ or ▶ to choose how often you want to record this channel at the time you have chosen. You can choose from Once, Daily (every day starting from the day you chose in step 2), Mon-Fri (every weekday) or Weekly (once a week on the same day).
6. Press ▼ to highlight 'Add Manual Recording' then press **OK**. Your Planner displays, with the new Manual Recording added to it. If you want to set up any more recordings, redisplay the Manual Recording screen then start again from step 1.

Note

If you selected Daily, Mon-Fri or Weekly in step 5, the Series Link symbol (see page 20) displays next to the Record symbol to show that the recording will take place more than once. You can press **i** to check details of when the recordings will take place.

ENGLISH

❖ Watching recordings

You use your Planner (see page 30) to choose recorded programmes you want to watch.

1. Press **PLANNER**.
2. Use ▲ and ▼ to choose a recorded or recording programme. Note that these may be marked as *Recorded*, *Part recorded*, *Recording* or *Viewed* (see page 30).
3. Press **play** or **OK**. The Playback screen displays.

This shows you extra information about the programme, including when the programme was recorded and how much disk space it uses.

This screen also allows you to choose the Start Position - the point from which you want to start watching the recorded programme.
You can choose from:

- **Start** - to begin playback from the start of the recording.
- **Last Viewed** - to continue playback from the point where you last stopped it.
- **Viewer Define** - to start playback from any point in the programme. You use the **number** buttons to enter a time, in minutes, from the start of the recording.
- **Viewer Bookmark** - to start playback from a 'bookmark' (marker point) that you have previously set (see 'Using Bookmarks' on page 40).
- **End** - to start playback a few moments before the end of the recording, for example if you want to rewind to a particular point.

4. When you have chosen your start position, press **play** or **OK**. The programme starts playing back.

Playback symbol

When you first start watching a recorded programme, the playback symbol (see page 23) displays briefly on your TV screen. The number shows how many minutes have passed since the start of the recording.

You can display the playback symbol at any moment by pressing **play**. To remove it press **BACK**. On-screen symbols also display whenever you fast forward, pause, rewind or stop playback - for more information, see page 23.

During playback

During playback, (or fast forward or rewind) your box's front panel lights up to show you what is happening. For more information about the front panel, see page 5.

Showing information

- While you are watching a recording, you can press **OK** to display the channel banner to find out what is showing on other channels. (Note that if you change channel, playback of your recording will stop.)
- You cannot display extra information for programmes on other channels - you can only display extra information for the recording you are watching.
- If you want to see extra information for the programme you are watching, press **i**.

Pausing and stopping

- If you change channel, playback of your recording will stop.
- To pause playback at any moment, press **pause**. To start playback again, press **pause** again, or press **play**.
- To stop playback at any moment, and return to normal TV, press **stop** or **VIASAT**.
- To stop playback at any moment, and return to your Planner, press **BACK**.
- When the recorded programme ends, a message displays to tell you. To return to your Planner, press **BACK**, or to return to digital TV, press **VIASAT**.

Fast forward and rewind

Whenever a programme is playing back or is paused, you can fast forward and rewind at any of four different speeds.

- To *rewind*, press the **rewind** button on your Viasat remote control (see page 4).

The rewind x2 symbol displays on the front panel of the box. The number shows you the speed (number of times faster than normal playback) the programme is rewinding, and the direction (anti-clockwise) that the symbol is spinning shows you that it is rewinding.

- To increase the speed, press **rewind** again, up to 3 times (x6, x12, x30).
- To decrease the speed, press the **fast forward** button.
- To return to normal playback, press **play**.

You can *fast forward* in the same way as you rewind, just use the **fast forward** button to *increase* the fast forward speed, and the **rewind** button to *decrease* the fast forward speed.

If you reach the end of the recording, the playback pauses at that point. You can then either rewind or stop the recording.

Slow motion playback

You can play back a programme in slow motion, by pressing and holding down the **play** button for at least 2 seconds. While the programme is showing in slow motion, the playback symbol displays, spinning in slow motion.

To return to the normal speed, press **play** again.

Watching recordings of restricted programmes or locked channels

If you choose a recording to watch that:

- was broadcast on a channel that is currently locked, or
- is subject to a viewing restriction,

you will need to enter your PIN in order to watch it. For more information see 'Using the Parental Control menu' on page 41.

Using Bookmarks

Bookmarks are points, within a recorded programme, to which you can quickly return.

- While you are watching a recorded programme, to set a bookmark, press **pause**, then press the **red** 'Bookmark' button. The pause symbol is displayed with the message **Bookmarked** underneath - See "On-screen symbols" on page 23.
- To skip forward to the next bookmark, and then continue watching the programme from that point, press and hold **fast forward** for at least three seconds.
- To skip backward to the previous bookmark, press and hold **rewind** for at least three seconds.

❖ Interactive TV

Viasat iTV (Interactive TV) allows you to:

- play games;
- use additional interactive services, when these are available;
- display the Setup screens.

The Setup screens are described in the next section - see page 41.

Playing games

You can use your Viasat remote control to play games provided by Viasat.

1. To play games, press **iTV**.

The iTV screen displays.

2. Highlight 'Games', then press **OK**.
3. Follow the on-screen instructions.
4. When you have finished playing games, press **Viasat** to return to watching digital TV.

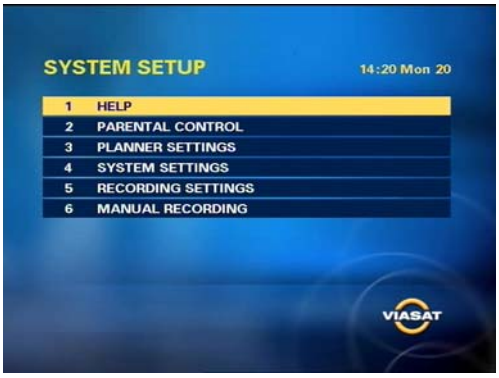
❖ Using the Setup menus

You use the Setup menus to:

- control who can watch or purchase certain programmes;
- change your Planner settings;
- change your PVR recording settings;
- change the language and subtitle settings;
- change the TV settings;
- look at on-screen help on using your Viasat digital guide;
- view information about your box.

To display the System Setup menu:

1. Press **iTV**, then press ▼ to highlight 'System Setup', and then press **OK**.



2. Press ▼ or ▲ to highlight the item you want, then press **OK**.

- While you are using any of the setup menus, you can press **BACK** to cancel any changes and return to the previous menu.
- To cancel changes and redisplay digital satellite TV, press **VIASAT**.
- On some menus you can press the **red** button to reset all settings on that menu to their factory defaults.
- To save changes, highlight 'Save New Settings' and then press **OK**.

❖ Using the Parental Control menu

You use the Parental Control menu to:

- lock channels;
- set viewing restrictions based on a programme's age rating;
- set purchase restrictions, to control whether your PIN is needed to purchase Ticket channels;
- change your PIN code.

Note

If you do not have a smart card inserted in your box, you cannot use the Parental Control menu.

About your PIN code

To use the Parental Control menu, you need to enter your PIN code. When you first use your box, your PIN code is **0000**. In order to make your PIN code secret, you should change it to another number that you find easy to remember (see below).

To display the Parental Control menu:

1. On the Setup menu, highlight 'Parental Control', then press **OK**.

You will see a message asking you to enter your PIN code.

2. Use the **number** buttons to enter your PIN.

If you enter the correct PIN, the Parental Control screen displays.

Note

If you enter an incorrect PIN three times in a row, your PIN will be blocked for 10 minutes. You will not be able to use any feature requiring PIN entry during that time.

Locking Channels

The Locked Channel screen lets you lock certain channels. Whenever you are watching digital TV, in order to view a locked channel, you must enter your PIN. You must also use your PIN to watch a recording of a programme on a locked channel.

1. From the Parental Control screen, highlight 'Locked Channel', then press **OK**.

The Locked Channel screen displays.

- A symbol next to the channel name indicates that the channel is not locked.
- A symbol next to the channel name indicates that it is locked.

2. From the list of channels, use ▲ or ▼ to highlight a channel you want to lock or unlock, then press ◀ or ▶ to select the setting you want.
3. Repeat step 2 to lock or unlock all the channels you want.
4. You can also unlock all the channels at once by pressing the **yellow** button. *Or*, you can lock all the channels at once by pressing the **blue** button.

When you have finished selecting channels to lock or unlock, press **BACK**.

Setting viewing restrictions

The Viewing Restrictions screen lets you set an age limit, so that people who do not know the PIN code (for example young children) cannot watch programmes that have an age category rating that is older than the age lock level you have set.

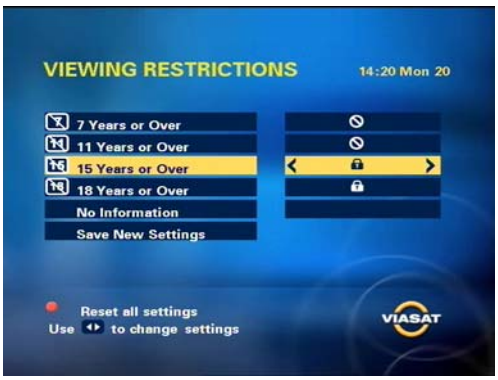
For example, if you set this to '11+', then programmes rated for viewers 11 years old or older will be locked, and you will need to enter your PIN code to watch them. Age lock only works if the broadcaster provides rating category information.

For more information on age rating category symbols see 'Symbols in the channel banner and extra information screens' on page 20.

To set viewing restrictions:

1. On the Parental Control menu, highlight 'Viewing Restrictions', then press **OK**.

The Viewing Restrictions screen is displayed.



- A symbol next to the age rating category indicates that it is not restricted.
- A symbol next to the age rating category indicates that it is restricted.

If you restrict an age rating category, this means that whenever a programme is broadcast with that age rating, you must enter your PIN before you can watch it. You must also use your PIN to watch a recording of a programme with a restricted age rating category.

When you restrict an age rating category, all the age rating categories below it are automatically restricted.

2. To restrict an age rating category, use ▲ and ▼ to highlight it, then press ◀ or ▶ to select the symbol. To remove the restriction, press ◀ or ▶ to select the symbol.
3. Repeat step 2 to make all the changes you want.
4. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

Notes

If you press the **red** button to reset all the settings, the settings will change to the *standard* settings. The standard setting is that any programme broadcast with an age rating of any sort will be restricted, but you can remove this restriction if you wish by following the steps above.

Viewing restrictions work only if the broadcaster provides classification category information. Viasat is not responsible for channels providing incorrect age rating information.

Setting purchase restrictions

The Purchase Restriction screen lets you choose whether or not you need to enter your PIN code to purchase a Ticket programme.

To set purchase restrictions:

1. From the Parental Control screen, highlight 'Purchase Restriction', and then press **OK**.

The Purchase Restriction screen displays.

2. On the 'Purchase by PIN Code' item, press ◀ or ▶ to select the setting you want - 'On' or 'Off'.

If you select 'On', you must enter your PIN code to purchase a Ticket programme.

3. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

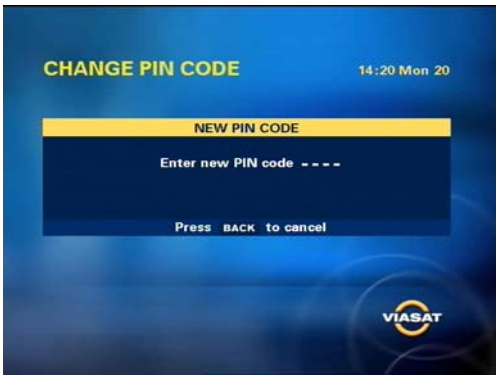
Changing your PIN code

You can change your PIN code to another number which you find easy to remember. Please make sure you do not forget your PIN code.

To change your PIN code:

1. From the Parental Control screen, highlight 'Change PIN Code' then press **OK**.

The Change PIN Code screen displays.



2. Use the **number** buttons to enter a new 4-digit PIN code of your choice. As you enter numbers, the dashes change to asterisks. You can press **BACK** once to cancel your changes. If you press **BACK** a second time, the Parental Control screen redisplays.

When you have entered your new 4-digit PIN code once, the Change PIN Code screen displays again, so you can enter it a second time to confirm the change.

3. Enter your new 4-digit PIN code again.

A message displays to confirm that your new PIN code is valid.

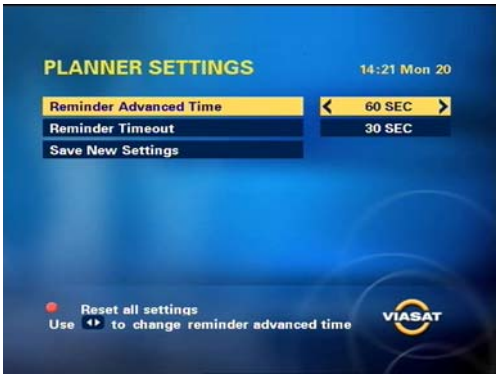
❖ Changing your Planner settings

You use this screen to change the display of your reminders for programmes in your Planner (see page 30).

- Reminder Advanced Time is the length of time before a programme starts that its reminder appears.
- Reminder Timeout is the length of time a reminder will display on screen before it disappears automatically.

You can change your Planner settings as follows:

1. On the System Setup screen, highlight 'Planner Settings' and then press **OK**.



2. Press ▼ or ▲ to highlight the item you want.
3. Use ◄ or ► to select the setting you want: 30, 60 or 90 seconds.
4. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

❖ Changing your PVR recording settings

You use this screen to change various settings relating to how your box records programmes, to:

- change the way in which your box manages your recordings, when disk space is running low;
- change the length of time of the Instant Rewind recording;
- add extra time to the start and end of recordings.

The items on the Recordings Settings menu are explained in more detail in the following sections, starting with 'Disk Space Management' on page 47.

Notes

Setting up recordings for channels without programme listings is described in the Manual Recording section, on page 37.

You can change your PVR settings as follows:

1. Press **iTV** on your remote control.
2. On the iTV screen, highlight 'System Setup' and then press **OK.**
3. On the System Setup screen, highlight 'Recording Settings' and then press **OK**.

4. Use ▲ or ▼ to highlight the item you want to change.
5. Use ◄ or ► to select the setting you want.
6. Repeat steps 4 and 5 until you have made all the changes you want to make.
7. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

Disk Space Management
You use this item to change the way in which your box manages your recordings when disk space is running low.

You can choose one of two settings:

- **Automatic** – recorded programmes will be deleted automatically when there is not enough space to record new programmes.

  Your box will first delete recorded programmes you have previously watched, then recorded programmes that you have not watched.

  Your box will not delete recorded programmes marked as 'Keep' or any Ticket programmes.

- **Manual** – recorded programmes will never be deleted automatically. Shortly before your box runs out of disk space, a message displays to let you know.

  To continue the new recording and delete the old recording(s), press **OK**. Or, to keep the old recording(s), press **BACK** - the new recording will stop when there is no more disk space.

  If you do not press any button, the old recording(s) are not deleted and the new recording will stop when there is no more disk space.

Note

If, even after deleting previous recordings, there is still not enough disk space available for a new recording, your box will only record part of your selected programme.

Review buffer
This is the length of time of the recording your box automatically makes of the channel you are currently viewing. For more information, see 'Using Instant Rewind' on page 22.

You can choose one of five settings: 'Off,' '5', '15', '30' or '60' minutes.

Add to Start of Recording / Add to End of Recording
If you wish, you can add extra time to the start and/or end of recordings. The same six settings are available for both of these items:

- **Automatic** – 2 minutes extra recording time will be added to the scheduled start or end time of recordings;
- **0, 1, 2, 5 or 10 minutes** – the extra recording time that will be added to the scheduled start or end time of recordings.

Note

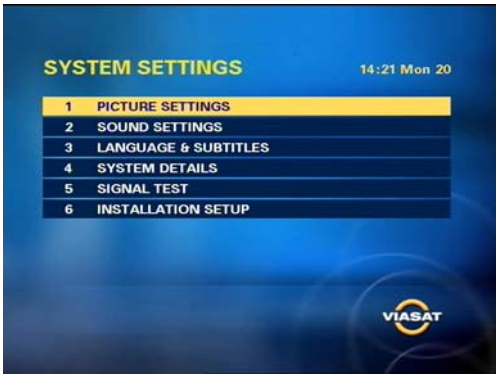
If one recording immediately follows another, any extra time added to the start and/or end of recordings may be dropped in favour of the next recording.

❖ Using the System Settings

Use the System Settings menu to change the TV settings and view information about your box.

1. To use the System Settings screens, press **iTV** on your remote control.
2. Highlight 'System Setup', then press **OK**.
3. Highlight 'System Settings', then press **OK**.

The System Settings screen displays on your TV.



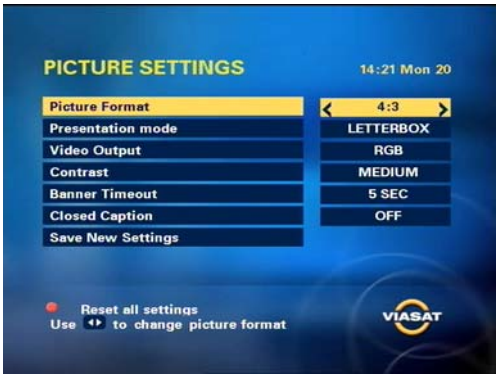
4. To display one of the Settings screens, highlight it and press **OK**.

The details of each screen are described in the following sections.

Changing the Picture settings

You use the Picture Settings menu to change the following settings, to control how your box works with your other equipment:

- Picture Format;
- Presentation Mode;
- Video Output;
- Contrast;
- Banner Timeout;
- Closed Captions.



To change the Picture Settings:

1. Press ▲ or ▼ to highlight the setting you want to change (for more information on the settings, see the table overleaf).
2. Press ◀ or ▶ to change the setting.
3. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

Make your choice according to the following table.

Item	Settings	Comments
Picture Format	4:3	Setting for 'standard' (4:3) TVs.
	16:9	Setting for 'widescreen' (16:9) TVs.
Presentation Mode *(Setting for how widescreen (16:9) programmes display on a standard (4:3) TV - This setting is only available if the picture format has been set to 4:3)*	Pan & Scan	The centre portion only of any widescreen (16:9) transmissions will display on a standard (4:3) TV.
	Letterbox	The whole of any widescreen transmissions will display on a standard (4:3) TV, but the picture does not fill the screen.
Video Output	PAL	If your system is connected via RF leads, you should select this setting.
	RGB	If your system is connected via SCART to SCART leads, you should select this setting for a better quality picture.
Contrast	Low, Medium, High	Select your preferred setting for the contrast of your TV display.
Banner Timeout	Off, 5 secs, 10 secs	Select your preferred setting for the length of time that the channel banner displays on-screen when you change channel.
Closed Captions	On, Off	Select whether or not you want Closed Captions to be displayed when they are available.

Changing the Sound settings

You use the Sound Settings menu to change the following settings:

- Audio Output;
- Audio Format;
- Volume;
- Background Music.

To change the Sound Settings:

1. Press ▲ or ▼ to highlight the setting you want to change (for more information on the settings, see the table below).
2. Press ◀ or ▶ to change the setting.
3. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

Make your choice according to the following table.

Item	Settings	Comments
Audio Output	Stereo, Mono	Controls the audio output on the SCART lead.
Audio Format	AC3, MPEG	Controls the digital audio output from the connector marked 'OPTICAL AUDIO OUT'. Select AC3 if your equipment has Dolby Digital decoding capabilities. The setting 'MPEG' is for digital stereo sound. Note: Dolby Digital is only available on some programmes. If Dolby Digital is not available, the audio output will be digital stereo.
Volume	-	Controls your box's default volume level.
Background Music	On, Off	Controls whether or not music will play while you look at your Viasat Digital Guide.

Changing the Language & Subtitles settings

You use the Language & Subtitles menu to change the following settings:

- Audio Language - your first choice of language for programmes which are broadcast with more than one audio soundtrack;
- Subtitles - your first choice of language for subtitles, when programmes are broadcast with subtitles in more than one language.

To change the Language and Subtitle Settings:

1. Press ▲ or ▼ to highlight the setting you want to change.
2. Press ◄ or ► to change the setting.
3. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

Viewing the box information

You can view technical information about your box.

To display the information:

1. On the System Settings menu, highlight 'System Details', then press **OK**.
2. To redisplay the System Settings menu, press **BACK**.

Viewing the Signal Test screen

You use the Signal Test screen to check that your box is receiving satellite signals, and check the strength and quality of the signals.

To display the Signal Test screen:

1. On the System Settings menu, highlight 'Signal Test', then press **OK**.

   The Signal Test screen displays:

   The screen shows bars indicating the strength and quality of the signal being received at each satellite input.

Your box must receive a signal strength between 49-79 dBuV, preferably above 64 dBuV. If the signal strength is lower the picture quality is more easily affected by bad weather, such as rain, thunder storms, etc. The signal quality should be 1.0E-7BER and the Lock Indicator should display 'OK' in order to successfully find channels. See "Checking the signal" on page 16.

2. When you have finished viewing the Signal Test screen, press **BACK** to redisplay the System Settings menu.

Installation Setup

You use the Installation Setup menu to change the following settings:

- LNB setup;
- Default transponder;
- Modem setting;
- RF output.

The items on the Installation Setup menu are explained in more detail in the following sections.

To access the Installation Setup menu:

1. Press **iTV** on your remote control.
2. Highlight 'System Setup', then press **OK**.
3. Highlight 'System Settings', then press **OK**.
4. Highlight 'Installation Setup', then press **OK**.

The Installation Setup menu displays:

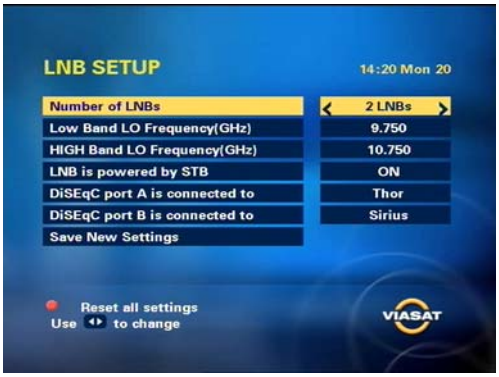
Changing the LNB Setup

This is the number of LNBs available in your dish installation. Default values (shown on the image on page 53) are already entered for this setting; under normal circumstances you do not need to change these. If you change your satellite dish installation, you may need to change this setting so that your box can tune to all the satellites available.

To change the LNB Setup:

1. On the Installation Setup menu, highlight 'LNB Setup', then press **OK**.

The LNB Setup menu displays.



2. Highlight 'Number of LNBs', then press ◀ or ▶ to select the number of LNBs you have in your set-up.
3. Highlight 'Low Band LO Frequency (GHz)', then use the **number** buttons to enter the appropriate frequency. If the number is below 10.000, add a leading zero (for example, 09.750).
4. Highlight 'High Band LO Frequency (GHz)', then use the **number** buttons to enter the appropriate frequency. If the number is below 10.000, add a leading zero (for example, 09.750).
5. Highlight 'LNB is powered by STB', then press ◀ or ▶ to select either 'On' or 'Off'. The default setting is 'On'.
6. If you selected '2 LNBs' in step 2, highlight 'DiSEqC port A is connected to' then press ◀ or ▶ to select the correct satellite for the LNB connected to DiSEqC™ port A, either Sirius or Thor.*
7. 'DiSEqC port B is connected to' is set to whichever satellite was not selected in step 5
8. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.
9. If you have changed your LNB setup configuration must then check the signal quality (see page 51).

You can press the **red** button to reset all settings on the LNB setup menu to their factory defaults. The default values are shown on the image above.

Setting the Default Transponder

Default values (shown on the image on page 54) are already entered for this setting; under normal circumstances you do not need to change these. If you change your satellite dish installation, you may need to change this setting so that your box can tune to all the satellites available.

To change the Default Transponder settings:

1. On the Installation Setup menu, highlight 'Default Transponder', then press **OK**.

*DiSEqC™ is a trademark of Eutelsat.

The Default Transponder menu displays.

2. Highlight 'Frequency (GHz)', then use the number buttons to enter the appropriate frequency.
3. Highlight 'Polarization', then press ◀ or ▶ to select the either 'H' (Horizontal) or 'V' (Vertical).
4. Highlight 'Symbol Rate (Kbaud)', then use the number buttons to enter the appropriate value.
5. Highlight 'FEC', then press ◀ or ▶ to select the correct type: 1/2, 2/3, 3/4 or 5/6.
6. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.
7. If you have changed your Default Transponder settings you must then check the signal quality (see page 51).

The default values for the Default Transponder menu are shown on the image above.

Changing the Modem Settings

The Modem Settings control how your box connects to Viasat via the telephone line. These settings are made automatically when you select your country during the installation process; under normal circumstances you do not need to change them.

To change the Modem Settings:

1. On the Installation Setup menu, highlight 'Modem Settings', then press **OK**.

The Modem menu displays.

2. Highlight 'Telephone Dial Type', then press ◀ or ▶ to select either 'Tone' or 'Pulse'.
3. Highlight 'Dialing Prefix', then use the **number** buttons to enter the dialling prefix.
4. To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

Setting the RF output channel

The RF Output screen lets you select the RF output channel for your box.

The factory preset RF output channel is channel 38. If channel 38 is not compatible with your TV or VCR, for example if it is already being used as your VCR's output channel, or for a terrestrial channel, you may find you cannot tune your equipment to your box because of interference.

You can therefore use this setting to enter a different number. You may find this easier if you disconnect your external antenna and/or your VCR from your system while you make the changes, but if you do so, make sure you follow all the safety advice on pages 7 to 13. You will then need to tune any equipment that is connected to your box via an RF lead to this new channel number - see the section on RF tuning on page 15.

RF channels may also be known as *UHF* channels.

To change the RF output channel:

1. From the Installation Setup menu, highlight 'RF Output', and then press **OK**.

The RF Outlets screen displays.

2. On the 'RF Channel Number' item, press ◀ or ▶ to select the channel you want.

To save your changes, highlight 'Save New Settings' then press **OK**, or to cancel, press **BACK**.

❖ Setting up your remote control for your TV

You can set up your remote control to operate the basic features of your TV. This enables you to control your TV and your box with just one remote control.

Code search

To program your remote control to operate your television, you must first use the remote control to find the four-digit code the corresponds to your television brand. During this code search you will run through every available code in the remote control's library.

To search for your television code:

1. Make sure that you television is switched on.
2. Press the **TV** button on your remote control and release it.
3. Press and hold down **SETUP**, until the red LED under the TV button blinks twice.
4. Use the **number** buttons to enter *9 9 1*. The red LED under the TV button blinks twice.
5. Aim the remote control at your television and press ⏻.
6. Aim the remote control at your television, and press **ch +** repeatedly, until your television turns off (each time you press **ch +** the remote control sends a POWER (TV off) signal using the next TV code contained in the remote control's library).

   You may have to press **ch +** many times (up to 150 times). The code search can take up to 15 minutes. If you skip a code, you can search through the previous code(s) by pressing **ch -**.

   Remember to keep pointing the remote control at your television during the code search.
7. As soon as the television switches off, press **SETUP** to store this code. The red LED under the TV button blinks twice.

8. Once it is set up, you can switch the remote control to operate your TV by first pressing the **TV** button. To switch back to operating your box, press the **VIASAT** button.

Code blink out

Once you have found the correct code, you can use your remote control to perform a 'code blink out' to determine what this code is.

1. Press the **TV** button on your remote control and release it.
2. Press and hold down **SETUP**, until the red LED under the TV button blinks twice.
3. Use the **number** buttons to enter *9 9 0*. The red LED under the TV button blinks twice.
4. Press **1** and count the LED blinks.
5. Press **2** and count the LED blinks.
6. Press **3** and count the LED blinks.
7. Press **4** and count the LED blinks. Now you have found the 4-digit code.

   If, during step 4, 5, 6 or 7, the LED does not blink at all, the code digit is 0.

8. For future reference, write down the code in the space provided in the remote control battery compartment.

Using the TV code table

If, after performing a code search, your remote control still does not operate your television, you may be using the wrong code. Try repeating the search again to locate the correct code. If this fails, you can use the TV code table available for download from the Viasat website.

1. Download the TV code table from the Viasat website (www.viasat.se), find the brand of your television in the TV code table and select the first 4 digit code in the list.
2. Make sure your television is fully on (not in standby), and then press the **TV** button on your remote control and release it.
3. Press and hold down **SETUP**, until the red LED under the TV button blinks twice.
4. Use the **number** buttons to enter the 4-digit code for your television (the TV button will blink twice after you have entered the fourth digit).
5. Press ⏻ to see if you are able to switch off your television.

   If your television does not respond, repeat steps 1 to 5 with each code listed for your brand. If none of the codes operate your television, or if your brand is not listed, retry the code search described on page 55.

6. Switch your television back on by pressing a **number** button (or **ch +**) and check if all the functions are working correctly.
7. For future reference, write down the code in the space provided in the remote control battery compartment.

Resetting your remote control

To clear all the settings you have made to your remote control and apply the factory defaults:

1. Press and hold down **SETUP**, until the red LED under the TV button blinks twice.
2. Use the **number** buttons to enter *9 8 1*. The red LED under the TV button blinks twice.

   The factory default values are applied to your remote control.

Extra Information

❖ Recording a digital satellite programme

If you have a VCR you can use it to record satellite programmes from your box.

To record a satellite programme:

1. Make sure your box is switched on and tuned to the channel you wish to record.
2. Set your VCR correctly to record at the appropriate time, making sure that your VCR is set to record its 'channel for digital satellite TV', or if your box is connected to your VCR via a SCART lead, making sure your VCR is set to record its appropriate AV channel.

For further information about your VCR, refer to your VCR's user guide.

Notes

Your VCR must be correctly connected to your box. For further information, see pages 9 and 10.

Some programmes are copy-protected and may not play back correctly if you record them.

While you are setting the recording up, you may wish to make sure your TV is switched to its 'VCR channel' or the AV channel that you use when you are watching videos, so you can check that the VCR is showing what you want to record.

Watching other channels while you are recording a digital satellite programme

If your equipment is connected using RF leads, as in connection methods 1 or 2, you can watch any *terrestrial* channel while you record digital satellite TV, by changing channel with your TV's remote control. You can also watch any *digital* channel while you record a *terrestrial* channel.

However, you cannot watch one *digital* channel while you record a different *digital* channel. If you use your box's remote control to change channel while you are recording, your VCR will record the channel change.

❖ Switching between digital satellite TV and terrestrial TV

If your TV automatically shows digital satellite TV whenever your box is switched on, you can use your remote control to switch between digital satellite TV and terrestrial TV.

This is also useful if you are using your VCR, for example to record a digital channel, but you want to watch a terrestrial channel.

- To switch between digital satellite TV and terrestrial TV, press the **TV** button on your remote control. (Please *do not* press the ⏻ button - this will switch your box off.)

Note

In order for this feature to work, your digital box must be connected to your TV via a SCART lead, and your TV must also be receiving the terrestrial channels from your TV aerial. For information about connecting up, see pages 9 to 11.

Some TVs may not allow you to use this feature.

❖ Error messages

If there is a temporary problem with a channel you are watching, you may see an error message on your TV screen. If this happens, you can still change channel, in the usual way, to a channel that is not experiencing problems.

Solving problems

❖ On-screen messages

If one of the following messages appears on your TV screen, make a note of the number that appears with the message (for example, 01). If you need to call customer service for assistance, please have the number handy so they can help you as quickly as possible.

Message	Possible cause	Suggested solution
Please insert your Viasat viewing card in the smart card slot. For instructions please refer to your user manual.	There is no Viasat viewing card in the smart card slot in your box.	Insert your Viasat viewing card in the smart card slot.
Your viewing card is invalid or inserted in the wrong direction. For instructions on how to insert you Viasat card please refer to your user manual.	Your box cannot recognise your Viasat viewing card.	Check it is the correct Viasat viewing card. Check it is in the right way up. Check that your card is not damaged. If the problem continues, call customer service for assistance.
This service is not included in your subscription. Please call customer service to purchase.	You may need to update your subscription, or there may be an unexpected problem with your subscription.	Please call customer service to upgrade your subscription.
Transmission error in your smart card. Please call customer service to purchase.	Your smart card has developed a problem.	Call customer service for assistance.
Welcome to Viasat. You need to activate your subscription to get access to your channels. Please call customer service to activate. Your card ID is [...] Your STB ID is [...] You also need your Agreement number available.	This is normal prior to the smart card's first authorization.	To activate your subscription, call Viasat's interactive telephone service using the number appropriate for your country: Sweden 08 5620 3300 Norway 8005 3020 Denmark 7012 1151 Finland 09 4249 7700

Message	Possible cause	Suggested solution
This service is not available in your region.	The channel is not available in your region.	You cannot watch this channel. Select a different channel to watch.
You have insufficient credit on your smart card. Please connect your receiver to the telephone line to update your credit. It is done automatically at the next purchase of a PPV event.	There is not enough credit left on your smart card to buy this programme, or you telephone line is not correctly connected to your box.	Check that the telephone lead between your box and the telephone point is properly plugged in (see page 12). Always switch your box off at the power supply before plugging or unplugging any other equipment. Your credit is updated automatically at the next purchase of a PPV event. If the problem continues, call customer service.
You have insufficient credit on your smart card. Please connect your receiver to the telephone line to update your credit. It is done automatically.	There is not enough credit left on your smart card to buy this programme, or you telephone line is not correctly connected to your box.	Check that the telephone lead between your box and the telephone point is properly plugged in (see page 12). Always switch your box off at the power supply before plugging or unplugging any other equipment. If the problem continues, call customer service.
You are not authorized to watch this channel on this receiver. Wrong smart card for this receiver. Your card ID is [...] Your STB ID is [...]	You have more than one Viasat box and have inserted the wrong smart card for this box.	Insert the right smart card for this box. If the problem continues, call Viasat's interactive telephone service using the number appropriate for your country: Sweden 08 5620 3300 Norway 8005 3020 Denmark 7012 1151 Finland 09 4249 7700
You cannot purchase this event using your receiver. Please call customer service to purchase this event.	A problem occurred while you were trying to purchase the programme.	Please call customer service for assistance.
This card is not valid any more. Please use you new Viasat viewing card.	You have inserted an old or invalid smart card.	Insert the your new Viasat smart card. If the problem continues, call customer service.
It is not possible to purchase this event. For more info tune to the Viasat Guide.	You cannot purchase Ticket channels between 8.00-10.00.	Please try again later.

Solving problems

Message	Possible cause	Suggested solution
Purchase not possible.	A problem occurred while you were trying to purchase the programme.	Please call customer service for assistance.
Preparation of the new card - please wait.	You have only just inserted your new Viasat smart card into your box and your card is still being checked.	Initialisation and authorisation may take up to 5 minutes. Please wait. If the problem continues, call customer service.
Inserted card is being initialised - please wait.	You have only just inserted your new Viasat smart card into your box and your card is still being authorised.	Initialisation and authorisation may take up to 5 minutes. Please wait. If the problem continues, call customer service.
Unviewable service - waiting for approval.	Your box is attempting to gain approval for the selected service.	Wait for your box to resolve the problem; if it is not resolved call customer service for assistance.
Please call customer service.	An unknown error has occurred.	Please call customer service.

❖ General Problems

f you are experiencing difficulty with your box, check the troubleshooting table below – this may provide the answer you are looking for.

*Before you check connections between your equipment, make sure you disconnect all your equipment from the mains supply. When you have finished checking and making connections, safely reconnect all the equipment to the mains supply (see page 13).

Problem	Possible cause	Suggested solution
Your box doesn't seem to be working, and there are no lights on the front panel.	Your box is not receiving power.	Make sure that the mains lead is properly plugged in and that the mains supply is switched on. Check that the mains wall socket has power (try plugging in a lamp).
Your box doesn't seem to be working, and the front-panel standby light is *red*.	Your box is switched off.	Press standby on the front panel, or ⏻ on your remote control.
Your box doesn't seem to be working, and the front-panel standby light is *green*.	Your box is not correctly connected to your other equipment, or your other equipment is not correctly set up.	Check that all the connections are properly made.* Check that your TV is plugged into the mains and that it is switched on.
	Your TV is not switched to show digital satellite channels.	If your box is connected to your TV via a SCART lead, try selecting the appropriate AV channel on your TV. If your box is connected to your TV via an RF lead only, try selecting the appropriate 'channel for digital satellite TV'. If you do not have a 'channel for digital satellite TV', you need to perform RF tuning (see page 15).
Your box doesn't seem to be working, and the front-panel standby light is *orange*.	There is a problem with the satellite signal.	Check that the lead from your satellite dish is correctly connected to your box.* Check that your satellite dish and LNB(s) are correctly set up and directed towards the correct satellite(s) (see page 8). Check that nothing is blocking your satellite dish, for example a tree or high building. There may be a temporary problem with the reception, caused, for example, by bad weather; try again later. If adverse weather conditions cause your dish and/or LNB(s) to move, you may need to re-adjust them (see the information supplied with this equipment).

ENGLISH

Solving problems

Problem	Possible cause	Suggested solution
You can see on-screen interference	Your TV or VCR is not correctly tuned.	Check that your TV and VCR are correctly tuned to your box. For further information, refer to your TV and VCR instruction books. In some cases your box may need RF tuning. See page 15 or call customer service for further advice.
Your remote control isn't working.	Something is between the remote control and your box.	Make sure you point your remote control directly at your box and that nothing is between it and your box. The indicator light on your box's front panel should flash each time you press a remote control button.
	The batteries are flat or inserted the wrong way round.	Check the batteries and replace them if necessary.
You've forgotten your PIN.		Call customer service for advice.
You have received a new smart card but you don't know how to activate it.		Follow the instructions on 'Inserting your smart card' on page 8. The Subscription Activation screen should appear - see the instructions on page 8.

Specification

Due to continued product improvement, this specification may change without notice.

General

Operating voltage:	230V AC ± 15%; 50Hz
Power consumption:	30W (max.)
Weight:	1.35kg
Dimensions (W x H x D):	390mm x 62 mm x 265mm
UHF modulator:	CCIR PAL System B/G; Ch 21 to 69 (factory setting is 38)
Operating temperature range:	0° C to +40° C
Storage temperature range:	–20° C to +60° C

Rear panel connectors

MAINS INPUT:	IEC 320 2-pin reversible
TELEPHONE LINE:	RJ11 female
TV SCART:	SCART (composite video out; RGB out)
VCR SCART:	SCART (composite video in/out; RGB in)
AUDIO L + R:	Phono (RCA) audio out
S-VIDEO:	4-way mini-DIN
ANTENNA IN:	IEC 129-2 female
RF-1 OUT:	IEC 169-2 male
RF-2 OUT:	IEC 169-2 male
OPTICAL AUDIO OUT:	Optical S/PDIF digital-audio out
INPUT 1 and 2:	2 x IEC 60169-24 F-type female

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